

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)

2. (Currently Amended) A method of using a network device, the network device comprising a network connection and a wireless connection [creating a device driver for a wireless device],

the method comprising the steps of:

abstracting device control commands and data into a device-independent format;

using [establishing] a connection-independent driver layer[, wherein the connection-independent driver layer receives the device control commands and data and] to encapsulate[s] the abstracted device control commands and data into a connection-independent format;

using [establishing] an intermediate driver layer[, wherein the intermediate driver layer receives] to translate the encapsulated device control commands and data [encapsulated in the connection-independent format and passes the] into connection-specific device control commands and data [encapsulated in the connection-independent format to a connection-specific driver layer]; and

using a [establishing the] connection-specific driver layer[, wherein] to wirelessly transmit the connection-specific [driver layer receives the] device control commands and data [encapsulated in the connection-independent format, translates the] to the network device, wherein the network device receives the connection-specific device control commands and data [encapsulated in the connection-independent format into connection-specific device control commands and data, and transmits the connection-specific device control commands and data to

the wireless device] through the wireless connection, and transmits the data through the network connection.

3. (Currently Amended) The method of claim 2, wherein the wireless [device can accept a wireless communication conforming to the] connection is a Bluetooth [protocol] connection; and the connection-specific device control commands and data conform to the Bluetooth protocol.

4. (Currently Amended) The method of claim 2, wherein the connection-specific driver layer transmits the connection-specific device control commands and data to the [wireless] network device via at least one L2CAP channel.

5. (Currently Amended) The method of claim 4, wherein the [connection-specific driver layer] transmitting[s] of the connection-specific device control commands and data via the at least one L2CAP channel comprises transmitting the connection-specific device control commands via a first L2CAP channel and transmitting[s] the connection-specific data via a second L2CAP channel.

6. (Currently Amended) The method of claim 2, wherein the intermediate [connection-specific] driver layer translates the encapsulated device control commands and data [encapsulated in the connection-independent format] into connection-specific device control commands and data with reference to a service discovery protocol record.

7. (Currently Amended) The method of claim 2, wherein the connection-specific driver layer transmits the connection-specific device control commands and data by segmenting the connection-specific device control commands and data into packets smaller than a maximum transmission unit of a wireless protocol used by the wireless connection of the network device.

8. (Currently Amended) A [method of communicating with] computing device connected to a network through a wireless device, the [method] computing device comprising [the steps of]:

a device independent driver layer for abstracting device control commands and data into a device-independent format;

a connection-independent driver layer for encapsulating the abstracted device control commands and data [in the device-independent format] into a connection-independent format;

an intermediate driver layer for translating the encapsulated device control commands and data [encapsulated in the connection-independent format] into connection-specific device control commands and data; [and]

a connection-specific driver layer for transmitting the connection-specific device control commands and data to the wireless device; and

wireless communication hardware for use by the connection-specific driver layer to transmit the connection-specific device control commands and data to the wireless device.

9. (Currently Amended) The [method] computing device of claim 8, wherein the wireless [device can accept a wireless communication conforming to] communication hardware uses the Bluetooth protocol; and the connection-specific device control commands and data conform to the Bluetooth protocol.

10. (Currently Amended) The [method] computing device of claim 8, wherein the connection-specific driver layer transmits the connection-specific device control commands and data [are transmitted] to the wireless device via at least one L2CAP channel.

11. (Currently Amended) The [method] computing device of claim 10, wherein the connection-specific driver layer transmits the connection-specific device control commands [are transmitted] via a first L2CAP channel and the connection-specific data [is transmitted] via a second L2CAP channel.

12. (Currently Amended) The [method] computing device of claim 8, wherein the [translating of the device control commands and data encapsulated in the connection-independent format into connection-specific device control commands and data] intermediate driver layer references a service discovery protocol record while translating the encapsulated device control commands and data into the connection-specific device control commands and data.

13. (Currently Amended) The [method] computing device of claim 8, wherein the connection-specific [device control commands and data are transmitted by] driver layer segments[ing] the connection-specific device control commands and data into packets smaller than a maximum transmission unit of a wireless protocol used by the wireless [device] communication hardware.

14. (Currently Amended) A computer program product for [creating a device driver for a wireless] using a network device comprising a network connection and a wireless connection, the

computer program product comprising[:] a computer-readable medium [carrying] having
computer-executable instructions for performing steps comprising:

abstracting device control commands and data into a device-independent format;

[establishing a connection-independent driver layer, wherein the connection-independent
driver layer receives the device control commands and data and] encapsulating[es] the device
control commands and data into a connection-independent format;

[establishing an intermediate driver layer, wherein the intermediate driver layer receives
the device control commands and data encapsulated in the connection-independent format and
passes the device control commands and data encapsulated in the connection-independent format
to a connection-specific driver layer; and

establishing the connection-specific driver layer, wherein the connection-specific driver
layer receives the device control commands and data encapsulated in the connection-independent
format,]translating[es] the encapsulated device control commands and data [encapsulated in the
connection-independent format] into connection-specific device control commands and data;[,]
and transmitting[s] the connection-specific device control commands and data wirelessly to the
wireless connection of the network device, wherein the data is transmitted, by the network
device, through the network connection.

15. (Currently Amended) The computer program product of claim 14, wherein the wireless
[device can accept a wireless communication conforming to the] connection is a Bluetooth
[protocol] connection; and the connection-specific device control commands and data conform to
the Bluetooth protocol.

16. (Currently Amended) The computer program product of claim 14, wherein the [connection-specific driver layer] transmitting[s] of the connection-specific device control commands and data to the [wireless] network device occurs via at least one L2CAP channel.

17. (Currently Amended) The computer program product of claim 16, wherein the [connection-specific driver layer] transmitting[s] of the connection-specific device control commands and data via the at least one L2CAP channel comprises transmitting the connection-specific device control commands via a first L2CAP channel and transmitting[s] the connection-specific data via a second L2CAP channel.

18. (Currently Amended) The computer program product of claim 14, wherein the [connection-specific driver layer] translating[es] the encapsulated device control commands and data [encapsulated in the connection-independent format] into the connection-specific device control commands and data comprises [with] referencing[e to] a service discovery protocol record.

19. (Currently Amended) The computer program product of claim 14, wherein the [connection-specific driver layer] transmitting[s] the connection-specific device control commands and data [by] comprises segmenting the connection-specific device control commands and data into packets smaller than a maximum transmission unit of a wireless protocol used by the wireless device.